



Does Not Comply
Corrected Diskette Needed

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/098,600B

DATE: 10/03/2002

TIME: 10:38:38

Input Set : A:\Corrected Seq Listing.txt

Output Set: N:\CRF4\10032002\J098600B.raw

5 <110> APPLICANT: Messier, Walter
7 Sikela, James M
11 <120> TITLE OF INVENTION: Methods to Identify Polynucleotide and Polypeptide
13 Sequences Which May Be Associated with Physiological
15 and Medical Conditions
19 <130> FILE REFERENCE: GENO2002CIP2
C--> 23 <140> CURRENT APPLICATION NUMBER: US/10/098,600B
C--> 25 <141> CURRENT FILING DATE: 2002-09-30
29 <150> PRIOR APPLICATION NUMBER: 09/591,435
31 <151> PRIOR FILING DATE: 2000-06-09
35 <150> PRIOR APPLICATION NUMBER: 09/240,915
37 <151> PRIOR FILING DATE: 1999-01-29
41 <150> PRIOR APPLICATION NUMBER: 60/073,263
43 <151> PRIOR FILING DATE: 1998-01-30
47 <150> PRIOR APPLICATION NUMBER: 60/098,987
49 <151> PRIOR FILING DATE: 1998-09-02
53 <150> PRIOR APPLICATION NUMBER: 09/942,252
55 <151> PRIOR FILING DATE: 2001-08-28
59 <160> NUMBER OF SEQ ID NOS: 36
63 <170> SOFTWARE: PatentIn Ver. 2.0

ERRORED SEQUENCES

2937 <210> SEQ ID NO: 16
2939 <211> LENGTH: 1207
2941 <212> TYPE: PRT
2943 <213> ORGANISM: Homo sapiens
2947 <400> SEQUENCE: 16
2949 Met Gln Phe Leu Glu Val Gln Pro Tyr Arg Ala Leu Lys His Ser
2951 1 5 10 15
2955 Asn Leu Leu Gln Cys Leu Ala Gln Cys Ala Glu Val Thr Pro Tyr Leu
2957 20 25 30
2961 Leu Val Met Glu Phe Cys Pro Leu Gly Asp Leu Lys Gly Tyr Leu Arg
2963 35 40 45
2967 Ser Cys Arg Val Ala Glu Ser Met Ala Pro Asp Pro Arg Thr Leu Gln
2969 50 55 60
2973 Arg Met Ala Cys Glu Val Ala Cys Gly Val Leu His Leu His Arg Asn
2975 65 70 75 80
2979 Asn Phe Val His Ser Asp Leu Ala Leu Arg Asn Cys Leu Leu Thr Ala
2981 85 90 95
2985 Asp Leu Thr Val Lys Ile Gly Asp Tyr Gly Leu Ala His Cys Lys Tyr
2987 100 105 110

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2991 Arg Glu Asp Tyr Phe Val Thr Ala Asp Gln Leu Trp Val Pro Leu Arg
2993      115      120      125
2997 Trp Ile Ala Pro Glu Leu Val Asp Glu Val His Ser Asn Leu Leu Val
2999      130      135      140
3003 Val Asp Gln Thr Lys Ser Gly Asn Val Trp Ser Leu Gly Val Thr Ile
3005 145      150      155      160
3009 Trp Glu Leu Phe Glu Leu Gly Thr Gln Pro Tyr Pro Gln His Ser Asp
3011      165      170      175
3015 Gln Gln Val Leu Ala Tyr Thr Val Arg Glu Gln Gln Leu Lys Leu Pro
3017      180      185      190
3021 Lys Pro Gln Leu Gln Leu Thr Leu Ser Asp Arg Trp Tyr Glu Val Met
3023      195      200      205
3027 Gln Phe Cys Trp Leu Gln Pro Glu Gln Arg Pro Thr Ala Glu Glu Val
3029      210      215      220
3033 His Leu Leu Leu Ser Tyr Leu Cys Ala Lys Gly Ala Thr Glu Ala Glu
3035 225      230      235      240
3039 Glu Glu Phe Glu Arg Arg Trp Arg Ser Leu Arg Pro Gly Gly Gly Gly
3041      245      250      255
3045 Val Gly Pro Gly Pro Gly Ala Ala Gly Pro Met Leu Gly Gly Val Val
3047      260      265      270
3051 Glu Leu Ala Ala Ala Ser Ser Phe Pro Leu Leu Glu Gln Phe Ala Gly
3053      275      280      285
3057 Asp Gly Phe His Ala Asp Gly Asp Asp Val Leu Thr Val Thr Glu Thr
3059      290      295      300
3063 Ser Arg Gly Leu Asn Phe Glu Tyr Lys Trp Glu Ala Gly Arg Gly Ala
3065 305      310      315      320
3069 Glu Ala Phe Pro Ala Thr Leu Ser Pro Gly Arg Thr Ala Arg Leu Gln
3071      325      330      335
3075 Glu Leu Cys Ala Pro Asp Gly Ala Pro Pro Gly Val Val Pro Val Leu
3077      340      345      350
3081 Ser Ala His Ser Pro Ser Leu Gly Ser Glu Tyr Phe Ile Arg Leu Glu
3083      355      360      365
3087 Glu Ala Ala Pro Ala Ala Gly His Asp Pro Asp Cys Ala Gly Cys Ala
3089      370      375      380
3093 Pro Ser Pro Pro Ala Thr Ala Asp Gln Asp Asp Asp Ser Asp Gly Ser
3095 385      390      395      400
3099 Thr Ala Ala Ser Leu Ala Met Glu Pro Leu Leu Gly His Gly Pro Pro
3101      405      410      415
3105 Val Asp Val Pro Trp Gly Arg Gly Asp His Tyr Pro Arg Arg Ser Leu
3107      420      425      430
3111 Ala Arg Asp Pro Leu Cys Pro Ser Arg Ser Pro Ser Pro Ser Ala Gly
3113      435      440      445
3117 Pro Leu Ser Leu Ala Glu Gly Gly Ala Glu Asp Ala Asp Trp Gly Val
3119      450      455      460
3123 Ala Ala Phe Cys Pro Ala Phe Phe Glu Asp Pro Leu Gly Thr Ser Pro
3125 465      470      475      480
3129 Leu Gly Ser Ser Gly Ala Pro Pro Leu Pro Leu Thr Gly Glu Asp Glu
3131      485      490      495
3135 Leu Glu Glu Val Gly Ala Arg Arg Ala Ala Gln Arg Gly His Trp Arg
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3137				500				505				510				
3141	Ser	Asn	Val	Ser	Ala	Asn	Asn	Asn	Ser	Gly	Ser	Arg	Cys	Pro	Glu	Ser
3143				515				520					525			
3147	Trp	Asp	Pro	Val	Ser	Ala	Gly	Cys	His	Ala	Glu	Gly	Cys	Pro	Ser	Pro
3149				530				535					540			
3153	Lys	Gln	Thr	Pro	Arg	Ala	Ser	Pro	Glu	Pro	Gly	Tyr	Pro	Gly	Glu	Pro
3155	545					550					555					560
3159	Leu	Leu	Gly	Leu	Gln	Ala	Ala	Ser	Ala	Gln	Glu	Pro	Gly	Cys	Cys	Pro
3161					565					570						575
3165	Gly	Leu	Pro	His	Leu	Cys	Ser	Ala	Gln	Gly	Leu	Ala	Pro	Ala	Pro	Cys
3167				580					585						590	
3171	Leu	Val	Thr	Pro	Ser	Trp	Thr	Glu	Thr	Ala	Ser	Ser	Gly	Gly	Asp	His
3173				595				600					605			
3177	Pro	Gln	Ala	Glu	Pro	Lys	Leu	Ala	Thr	Glu	Ala	Glu	Gly	Thr	Thr	Gly
3179				610				615					620			
3183	Pro	Arg	Leu	Pro	Leu	Pro	Ser	Val	Pro	Ser	Pro	Ser	Gln	Glu	Gly	Ala
3185	625					630					635					640
3189	Pro	Leu	Pro	Ser	Glu	Glu	Ala	Ser	Ala	Pro	Asp	Ala	Pro	Asp	Ala	Leu
3191					645					650						655
3195	Pro	Asp	Ser	Pro	Thr	Pro	Ala	Thr	Gly	Gly	Glu	Val	Ser	Ala	Ile	Lys
3197				660					665							670
3201	Leu	Ala	Ser	Ala	Leu	Asn	Gly	Ser	Ser	Ser	Ser	Pro	Glu	Val	Glu	Ala
3203				675				680					685			
3207	Pro	Ser	Ser	Glu	Asp	Glu	Asp	Thr	Ala	Glu	Ala	Thr	Ser	Gly	Ile	Phe
3209				690				695					700			
3213	Thr	Asp	Thr	Ser	Ser	Asp	Gly	Leu	Gln	Ala	Arg	Arg	Pro	Asp	Val	Val
3215	705					710					715					720
3219	Pro	Ala	Phe	Arg	Ser	Leu	Gln	Lys	Gln	Val	Gly	Thr	Pro	Asp	Ser	Leu
3221					725						730					735
3225	Asp	Ser	Leu	Asp	Ile	Pro	Ser	Ser	Ala	Ser	Asp	Gly	Gly	Tyr	Glu	Val
3227				740					745							750
3231	Phe	Ser	Pro	Ser	Ala	Thr	Gly	Pro	Ser	Gly	Gly	Gln	Pro	Arg	Ala	Leu
3233				755				760								765
3237	Asp	Ser	Gly	Tyr	Asp	Thr	Glu	Asn	Tyr	Glu	Ser	Pro	Glu	Phe	Val	Leu
3239				770				775					780			
3243	Lys	Glu	Ala	Gln	Glu	Gly	Cys	Glu	Pro	Gln	Ala	Phe	Ala	Glu	Leu	Ala
3245	785					790					795					800
3249	Ser	Glu	Gly	Glu	Gly	Pro	Gly	Pro	Glu	Thr	Arg	Leu	Ser	Thr	Ser	Leu
3251					805					810						815
3255	Ser	Gly	Leu	Asn	Glu	Lys	Asn	Pro	Tyr	Arg	Asp	Ser	Ala	Tyr	Phe	Ser
3257				820					825							830
3261	Asp	Leu	Glu	Ala	Glu	Ala	Glu	Ala	Thr	Ser	Gly	Pro	Glu	Lys	Lys	Cys
3263				835				840								845
3267	Gly	Gly	Asp	Arg	Ala	Pro	Gly	Pro	Glu	Leu	Gly	Leu	Pro	Ser	Thr	Gly
3269				850				855					860			
3273	Gln	Pro	Ser	Glu	Gln	Val	Cys	Leu	Arg	Pro	Gly	Val	Ser	Gly	Glu	Ala
3275	865					870					875					880
3279	Gln	Gly	Ser	Gly	Pro	Gly	Glu	Val	Leu	Pro	Pro	Leu	Leu	Gln	Leu	Glu
3281					885					890						895

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3285 Gly Ser Ser Pro Glu Pro Ser Thr Cys Pro Ser Gly Leu Val Pro Glu
3287 900 905 910
3291 Pro Pro Glu Pro Gln Gly Pro Ala Lys Val Arg Pro Gly Pro Ser Pro
3293 915 920 925
3297 Ser Cys Ser Gln Phe Phe Leu Leu Thr Pro Val Pro Leu Arg Ser Glu
3299 930 935 940
3303 Gly Asn Ser Ser Glu Phe Gln Gly Pro Pro Gly Leu Leu Ser Gly Pro
3305 945 950 955 960
3309 Ala Pro Gln Lys Arg Met Gly Gly Pro Gly Thr Pro Arg Ala Pro Leu
3311 965 970 975
3315 Arg Leu Ala Leu Pro Gly Leu Pro Ala Ala Leu Glu Gly Arg Pro Glu
3317 980 985 990
3321 Glu Glu Glu Glu Asp Ser Glu Asp Ser Asp Glu Ser Asp Glu Glu Leu
3323 995 1000 1005
3327 Arg Cys Tyr Ser Val Gln Glu Pro Ser Glu Asp Ser Glu Glu Glu Ala
3329 1010 1015 1020
3333 Pro Ala Val Pro Val Val Val Ala Glu Ser Gln Ser Ala Arg Asn Leu
3335 1025 1030 1035 1040
3339 Arg Ser Leu Leu Lys Met Pro Ser Leu Leu Ser Glu Thr Phe Cys Glu
3341 1045 1050 1055
3345 Asp Leu Glu Arg Lys Lys Lys Ala Val Ser Phe Phe Asp Asp Val Thr
3347 1060 1065 1070
3351 Val Tyr Leu Phe Asp Gln Glu Ser Pro Thr Arg Glu Leu Gly Glu Pro
3353 1075 1080 1085
3357 Phe Pro Gly Ala Lys Glu Ser Pro Pro Thr Phe Leu Arg Gly Ser Pro
3359 1090 1095 1100
3363 Gly Ser Pro Ser Ala Pro Asn Arg Pro Gln Gln Ala Asp Gly Ser Pro
E--> 3365 1105 1110 1115 1120
add 3369 Asn Gly Ser Thr Ala Glu Glu Gly Gly Gly Phe Ala Trp Asp Asp Asp
3371 1125 1130 1135
3375 Phe Pro Leu Met Thr Ala Lys Ala Ala Phe Ala Met Ala Leu Asp Pro
3377 1140 1145 1150
3381 Ala Ala Pro Ala Pro Ala Ala Pro Thr Pro Thr Pro Ala Pro Phe Ser
3383 1155 1160 1165
3387 Arg Phe Thr Val Ser Pro Ala Pro Thr Ser Arg Phe Ser Ile Thr His
3389 1170 1175 1180
3393 Val Ser Asp Ser Asp Ala Glu Ser Lys Arg Gly Pro Glu Ala Gly Ala
3395 1185 1190 1195 1200
3399 Gly Gly Glu Ser Lys Glu Ala
3401 1205

VERIFICATION SUMMARY

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Input Set : A:\Corrected Seq Listing.txt

Output Set: N:\CRF4\10032002\J098600B.raw

L:23 M:270 C: Current Application Number differs, Replaced Application Number

L:25 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:3365 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:16

L:4058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:240

L:4292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:64